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# The 1986 Iowa Corn Yield Test Report, District 5

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# The 1986 Iowa Corn Yield Test Report, District 5

## **Abstract**

Results of the Iowa Corn Yield Test are published to aid Iowa farmers in selecting corn varieties. This is the sixty-sixth consecutive year for the test.

## **Disciplines**

Agriculture | Agronomy and Crop Sciences



- Crops
- Soils
- Climate

## THE 1986 IOWA CORN YIELD TEST REPORT

### District 5

Results of the Iowa Corn Yield Test are published to aid Iowa farmers in selecting corn hybrids. This is the sixty-seventh consecutive year for the test.

The presentation of data for the hybrids tested does not imply approval or endorsement by the authors or by the agencies sponsoring or conducting the test. Entries in tables 1, 2, and 3 are designated by brand name and variety.

### 1986 Procedure

Producers of corn seed and Iowa State University were eligible to enter varieties in the Iowa Corn Yield Test. Each producer was allowed a maximum of six entries per district. All entries had to be available in a quantity of at least 10 bushels of seed.

Two hundred sixty-four entries were evaluated in this district—132 in the early to medium maturity test and 132 in the medium to late maturity test. Fifteen of the entries determined to be widely grown were entered by Iowa State University and were planted in both the early and the late test. In June, on even numbered years, approximately 21,000 survey cards are mailed in the state. Recipients of these cards are determined by a random drawing of names from landowners listed in the county plat books. Based on the survey results, the 15 hybrids grown on the most acres in the district are classified as widely grown for that district. The widely grown hybrids (\*) in this report were determined by the 1984 survey. Iowa State University entered a maximum of three widely grown hybrids of any given brand. These entries were given priority over the remaining 234 entries made by seed producers.

Each entry was replicated four times in four-row plots at a planting rate of 28,000 kernels per acre at each location. All locations were machine-planted. The center two rows of each plot were harvested with a corn combine. No gleanings or dropped ears were included in yield data. A moisture determination was made from each plot, and yields were corrected to 15.5 percent moisture for shelled corn.

### How Information Is Presented

The data presented are averages of three locations in 1984, 1985, and 1986. Yield in bushels per acre and percentage of moisture, root lodging, stalk lodging, dropped ears, and stand are shown for all entries tested in 1986 and for those tested in 1984 and 1985 that were in the 1986 test. Because of the large number of entries in the

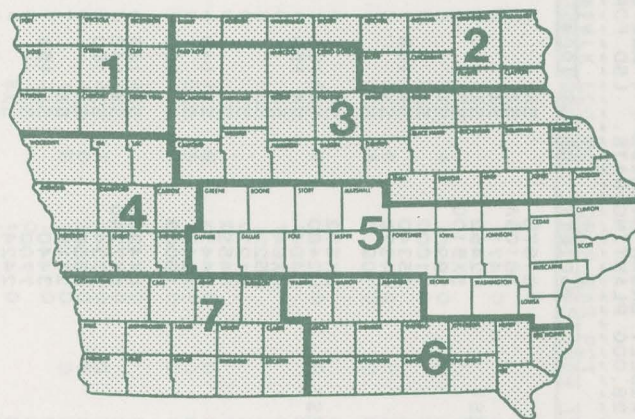
district, the test was split into two experiments based on maturity of the hybrids entered. Table 1 reports the average yields of hybrids entered in the early to medium maturity experiment and table 2 reports the average yields of hybrids entered in the medium to late maturity experiment. Both experiments were treated similarly.

### Interpretation of Results

Yield differences due to variation in soil, fertility, moisture availability, insect infestation, and diseases, plus any variation due to planting and harvesting techniques, are identified through statistical analysis. The LSD values shown in tables 1, 2, and 3 represent, in bushels per acre, the amounts of yield variation that could be due to variations in the factors just mentioned. In comparing varieties, yield differences greater than the LSD value can be attributed to genetic differences in the yield potential of these varieties; yield differences less than the LSD value are not statistically different and could have been due to other factors.

Grain moistures shown in tables 1, 2, and 3 are indicators of maturity and natural drying rate. Maturity of varieties entered generally ranged from early to full season. Yield comparisons should be made among varieties of similar maturity in the same test. Hybrid comparisons between table 1 and table 2 can be made only when using the average of the widely grown hybrids listed at the bottom of each table. The difference between these two values indicates the yield difference between the two tests. This difference must be added to or subtracted from the yield of the appropriate hybrid when making comparisons between tables.

It is important to select varieties having stable performance over a range of environmental conditions. High yields for two or more consecutive years indicate stable performance. Supplemental yield and agronomic information about specific varieties may be obtained from your seed corn dealers and from neighbors who have grown these varieties.



Prepared by K. E. Ziegler, instructor in agronomy.

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TABLE 1. AVERAGE PERFORMANCE OF EARLY TO MEDIUM MATURING HYBRIDS TESTED IN DISTRICT 5. WIDELY GROWN HYBRIDS (\*) ARE ENTERED IN BOTH TESTS FOR COMPARISONS BETWEEN TABLE 1 AND TABLE 2. 28,000 PLANTING RATE. LSD FOR 1986 YIELD IN BUSHELS IS 11.

| BRAND  | VARIETY         | CROSS | YIELD |      | E.B.U/A | MOISTURE |      |      | ROOT LOG |      |      | STALK |      |      | LDG  |      |      | DROPP | EAR | PCT | STAND |
|--|-----------------|-------|-------|------|---------|----------|------|------|----------|------|------|-------|------|------|------|------|------|-------|-----|-----|-------|
|  |                 |       | 1984  | 1985 |         | 1986     | 1986 | 1985 | 1984     | 1986 | 1985 | 1984  | 1986 | 1985 | 1984 | 1986 | 1985 |       |     |     |       |
| KRUGER<br>AMES-BEST<br>GOLDEN HARVEST<br>SAR<br>PAYMASTER<br>PD990<br>STAUFFER<br>G4328<br>FUNK VALLEY<br>TRI  | 8107B           | SX    | 127   | 16   | 6       | 4        | 1    | 4    | 4        | 1    | 1    | 2     | 2    | 2    | 2    | 2    | 1    | 81    |     |     |       |
|  | AB105A          | SX    | 136   | 17.4 |         | 1        |      |      |          |      |      |       |      |      |      |      |      | 82    |     |     |       |
|  | H2452           | SX    | 131   | 17.6 |         | 19       |      |      |          |      |      |       |      |      |      |      | 79   |       |     |     |       |
|  | SX5100          | SX    | 172   | 20.4 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | PD990           | SX    | 173   | 17.7 |         |          |      |      |          |      |      |       |      |      |      |      | 88   |       |     |     |       |
|  | STAUFFER        | SX    | 137   | 17.8 |         | 20.2     |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | G4328           | SX    | 166   | 20.6 |         |          |      |      |          |      |      |       |      |      |      |      | 81   |       |     |     |       |
|  | FUNK VALLEY     | SX    | 138   | 17.8 |         | 20.5     |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | TRI             | SX    | 138   | 17.8 |         | 20.5     |      |      |          |      |      |       |      |      |      |      | 88   |       |     |     |       |
|  | DEKALB          | DK572 | SX    | 144  | 17.8    |          |      |      |          |      |      |       |      |      |      |      |      | 87    |     |     |       |
| GOLDEN HARVEST<br>HUGHESBERG<br>MIDDLEKOP<br>PAYMASTER<br>8127<br>C453X<br>CORNELLUS<br>X211X<br>LEWIS<br>1500B  | H2480           | SX    | 160   | 197  | 20.8    | 20.5     | 20   | 1    | 3        | 02   | 6    | 1     | 6    | 1    | 6    | 1    | 82   |       |     |     |       |
|  | H404            | SX    | 156   | 176  | 20.8    | 20.1     | 1    | 6    |          |      |      |       |      |      |      |      | 84   |       |     |     |       |
|  | M522            | SX    | 138   | 17.9 | 20.4    |          |      |      |          |      |      |       |      |      |      |      | 89   |       |     |     |       |
|  | PAYMASTER       | SX    | 142   | 17.9 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | 8127            | SX    | 142   | 17.9 |         |          |      |      |          |      |      |       |      |      |      |      | 88   |       |     |     |       |
|  | C453X           | SX    | 124   | 18.0 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | CORNELLUS       | SX    | 144   | 18.0 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | X211X           | SX    | 144   | 18.0 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | LEWIS           | SX    | 132   | 18.0 |         |          |      |      |          |      |      |       |      |      |      |      | 85   |       |     |     |       |
|  | 1500B           | SX    | 132   | 18.0 |         |          |      |      |          |      |      |       |      |      |      |      | 85   |       |     |     |       |
| LYNKS<br>EK PREMIUM<br>RENZE<br>MCCURDY<br>6656<br>NC-BEN<br>2445<br>7700<br>JACQUES<br>GUTWEIN<br>CORNELLUS<br>2424<br>FGNELLUS<br>6568X  | LX4235          | SX    | 166   | 19   | 20.5    | 20.7     | 3    | 1    | 0        | 8    | 8    | 1     | 7    | 0    | 2    | 1    | 84   |       |     |     |       |
|  | EK7740          | SX    | 158   | 18.0 | 21.0    | 20.9     | 1    | 4    | 5        | 0    | 3    | 6     | 1    | 0    | 0    | 0    | 85   |       |     |     |       |
|  | SX160           | SX    | 137   | 18.0 | 20.8    | 21.1     | 1    | 5    | 1        | 7    | 3    | 4     | 5    | 1    | 0    | 0    | 85   |       |     |     |       |
|  | SX1872          | SX    | 148   | 18.1 | 20.7    | 20.9     | 2    | 3    | 4        | 4    | 3    | 4     | 5    | 1    | 0    | 0    | 85   |       |     |     |       |
|  | 6656            | SX    | 142   | 18.2 | 21.1    | 20.9     | 3    | 9    | 8        | 0    | 7    | 7     | 3    | 4    | 5    | 1    | 84   |       |     |     |       |
|  | NC-BEN          | SX    | 151   | 18.0 | 21.0    | 20.9     | 1    | 0    | 6        | 0    | 7    | 7     | 3    | 4    | 5    | 1    | 84   |       |     |     |       |
|  | 2445            | SX    | 165   | 143  | 18.0    | 21.6     | 1    | 16   | 1        | 7    | 7    | 3     | 4    | 5    | 1    | 0    | 87   |       |     |     |       |
|  | 7700            | SX    | 153   | 137  | 18.1    | 20.8     | 19.8 | 0    | 4        | 0    | 7    | 3     | 4    | 5    | 1    | 0    | 87   |       |     |     |       |
|  | JACQUES         | SX    | 174   | 18.1 | 20.7    |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | GUTWEIN         | SX    | 138   | 18.1 | 20.7    |          |      |      |          |      |      |       |      |      |      |      | 88   |       |     |     |       |
| CORNELLUS<br>FS<br>SX209<br>2989<br>3045<br>5907A<br>MCCURDY<br>PX9470<br>AB107<br>AMES-BEST<br>PIONEER<br>3470<br>CORNELLUS<br>C505X<br>PX9385  | SX161           | SX    | 167   | 164  | 20.5    | 21.0     | 2    | 5    | 0        | 0    | 7    | 4     | 3    | 4    | 5    | 1    | 86   |       |     |     |       |
|  | SX161           | SX    | 172   | 144  | 18.1    | 20.5     | 20.7 | 1    | 3        | 0    | 4    | 1     | 6    | 1    | 0    | 0    | 89   |       |     |     |       |
|  | SX143           | SX    | 176   | 148  | 18.2    | 20.3     | 20.4 | 1    | 3        | 0    | 4    | 1     | 6    | 1    | 0    | 0    | 89   |       |     |     |       |
|  | 2989            | SX    | 145   | 18.3 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | 3045            | SX    | 172   | 140  | 18.3    | 21.0     | 0    | 5    | 7        | 6    | 4    | 4     | 4    | 4    | 0    | 0    | 86   |       |     |     |       |
|  | 5907A           | SX    | 170   | 138  | 18.3    | 21.2     | 2    | 3    | 7        | 4    | 4    | 4     | 4    | 4    | 0    | 0    | 85   |       |     |     |       |
|  | MCCURDY         | SX    | 140   | 18.3 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | PX9470          | SX    | 140   | 18.3 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | AB107           | SX    | 182   | 130  | 18.4    | 19.7     | 0    | 3    | 0        | 3    | 3    | 3     | 3    | 3    | 1    | 0    | 82   |       |     |     |       |
|  | AMES-BEST       | SX    | 161   | 167  | 20.8    | 20.3     | 1    | 0    | 2        | 0    | 3    | 3     | 3    | 3    | 1    | 0    | 0    | 83    |     |     |       |
| PIONEER<br>3470<br>CORNELLUS<br>C505X<br>PX9385<br>S557<br>6555<br>889<br>CARGILL<br>M560<br>WDDLEKOP<br>444<br>4001<br>BOJAC<br>M5504<br>W557<br>W587   | PX9385          | SX    | 134   | 18.4 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | S557            | SX    | 151   | 18.4 | 21.4    | 21.2     | 0    | 6    | 0        | 3    | 4    | 4     | 4    | 4    | 0    | 0    | 88   |       |     |     |       |
|  | 6555            | SX    | 167   | 134  | 18.5    | 21.0     | 13   | 0    | 6        | 0    | 3    | 4     | 4    | 4    | 0    | 0    | 88   |       |     |     |       |
|  | 889             | SX    | 130   | 18.5 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | CARGILL         | SX    | 140   | 18.5 |         |          |      |      |          |      |      |       |      |      |      |      | 91   |       |     |     |       |
|  | M560            | SX    | 140   | 18.5 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | WDDLEKOP        | SX    | 157   | 161  | 21.0    | 21.1     | 1    | 6    | 0        | 3    | 5    | 1     | 0    | 0    | 0    | 84   |      |       |     |     |       |
|  | 444             | SX    | 134   | 18.6 | 21.0    | 21.1     | 0    | 6    | 0        | 3    | 5    | 1     | 0    | 0    | 0    | 84   |      |       |     |     |       |
|  | 4001            | SX    | 140   | 18.6 | 21.7    | 21.8     | 1    | 4    | 0        | 3    | 5    | 1     | 0    | 0    | 0    | 84   |      |       |     |     |       |
|  | BOJAC           | SX    | 162   | 174  | 20.9    | 21.7     | 21.8 | 1    | 4        | 0    | 3    | 5     | 1    | 0    | 0    | 0    | 85   |       |     |     |       |
| M5504<br>W557<br>W587<br>LX4315<br>WYFFELS<br>W33<br>W43<br>W47<br>HAMKEVE HYBRID<br>SAR<br>PAYCO<br>S1360<br>6882<br>ASGROW/O'S GOLD<br>HUGHES<br>3385<br>STEBEN<br>T1100<br>675<br>FFS<br>GR8-178  | M5504           | SX    | 146   | 18.7 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | W557            | SX    | 144   | 18.7 |         |          |      |      |          |      |      |       |      |      |      |      |      | 87    |     |     |       |
|  | W587            | SX    | 144   | 18.7 |         |          |      |      |          |      |      |       |      |      |      |      |      | 87    |     |     |       |
|  | LX4315          | SX    | 177   | 150  | 18.8    | 23.0     | 21.0 | 1    | 4        | 0    | 3    | 1     | 4    | 0    | 0    | 0    | 82   |       |     |     |       |
|  | WYFFELS         | SX    | 162   | 179  | 145     | 18.8     | 21.6 | 0    | 5        | 0    | 2    | 7     | 3    | 3    | 0    | 0    | 86   |       |     |     |       |
|  | W33             | SX    | 143   | 18.8 |         |          |      |      |          |      |      |       |      |      |      |      | 82   |       |     |     |       |
|  | W43             | SX    | 145   | 18.8 |         |          |      |      |          |      |      |       |      |      |      |      | 89   |       |     |     |       |
|  | W47             | SX    | 140   | 18.8 |         |          |      |      |          |      |      |       |      |      |      |      | 87   |       |     |     |       |
|  | HAMKEVE HYBRID  | SX    | 140   | 18.8 |         |          |      |      |          |      |      |       |      |      |      |      | 92   |       |     |     |       |
|  | SAR             | SX    | 161   | 180  | 18.9    | 23.1     | 22.2 | 0    | 9        | 1    | 6    | 4     | 5    | 2    | 1    | 0    | 0    | 87    |     |     |       |
| PAYCO<br>S1360<br>6882<br>ASGROW/O'S GOLD<br>HUGHES<br>3385<br>STEBEN<br>T1100<br>675<br>FFS<br>GR8-178<br>SHISSLER<br>4304<br>DX1013<br>DAIRYLAND<br>4421<br>CROWS<br>FUNK<br>EX4093X<br>2605<br>GUTWEIN<br>LAND O' LAKES<br>644<br>LX4315<br>EK PREMIUM<br>EK7780<br>3100  | PAYCO           | SX    | 161   | 180  | 18.9    | 23.1     | 22.2 | 0    | 9        | 1    | 6    | 4     | 5    | 2    | 1    | 0    | 87   |       |     |     |       |
|  | S1360           | SX    | 161   | 180  | 18.9    | 23.1     | 22.2 | 0    | 9        | 1    | 6    | 4     | 5    | 2    | 1    | 0    | 0    | 87    |     |     |       |
|  | 6882            | SX    | 161   | 176  | 125     | 18.9     | 21.0 | 11   | 11       | 4    | 4    | 4     | 4    | 4    | 0    | 0    | 85   |       |     |     |       |
|  | ASGROW/O'S GOLD | SX    | 176   | 125  | 18.9    | 21.0     | 9    | 10   | 11       | 4    | 4    | 4     | 4    | 4    | 0    | 0    | 85   |       |     |     |       |
|  | HUGHES          | SX    | 143   | 18.9 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | 3385            | SX    | 157   | 175  | 144     | 19.0     | 22.3 | 0    | 6        | 0    | 4    | 3     | 6    | 1    | 0    | 0    | 84   |       |     |     |       |
|  | STEBEN          | SX    | 157   | 175  | 144     | 19.0     | 22.3 | 0    | 6        | 0    | 4    | 3     | 6    | 1    | 0    | 0    | 84   |       |     |     |       |
|  | T1100           | SX    | 157   | 175  | 144     | 19.0     | 22.3 | 0    | 6        | 0    | 4    | 3     | 6    | 1    | 0    | 0    | 84   |       |     |     |       |
|  | 675             | SX    | 162   | 141  | 19.1    | 22.7     | 0    | 3    | 0        | 5    | 3    | 4     | 1    | 0    | 0    | 0    | 85   |       |     |     |       |
|  | FFS             | SX    | 160   | 182  | 146     | 19.1     | 22.4 | 0    | 3        | 0    | 5    | 3     | 4    | 1    | 0    | 0    | 86   |       |     |     |       |
| SHISSLER<br>4304<br>DX1013<br>DAIRYLAND<br>4421<br>CROWS<br>FUNK<br>EX4093X<br>2605<br>GUTWEIN<br>LAND O' LAKES<br>644<br>LX4315<br>EK PREMIUM<br>EK7780<br>3100<br>NC-<br>FEDERAL<br>4505<br>FX37<br>PAYMASTER<br>6347<br>AGRIPRO<br>LIP470<br>STAUFFER<br>S6210<br>FONTANELLE<br>4253<br>2600<br>PESTER<br>2600<br>DAIRYLAND<br>DX1012 | SHISSLER        | SX    | 161   | 179  | 146     | 19.1     | 23.0 | 0    | 4        | 0    | 5    | 3     | 8    | 1    | 0    | 0    | 89   |       |     |     |       |
|  | 4304            | SX    | 161   | 179  | 146     | 19.1     | 23.0 | 0    | 4        | 0    | 5    | 3     | 8    | 1    | 0    | 0    | 89   |       |     |     |       |
|  | DX1013          | SX    | 172   | 137  | 19.1    | 21.8     | 0    | 4    | 0        | 5    | 3    | 8     | 1    | 0    | 0    | 0    | 86   |       |     |     |       |
|  | DAIRYLAND       | SX    | 172   | 137  | 19.1    | 21.8     | 0    | 4    | 0        | 5    | 3    | 8     | 1    | 0    | 0    | 0    | 86   |       |     |     |       |
|  | 4421            | SX    | 143   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 83   |       |     |     |       |
|  | CROWS           | SX    | 143   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 83   |       |     |     |       |
|  | FUNK            | SX    | 139   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 89   |       |     |     |       |
|  | EX4093X         | SX    | 139   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 89   |       |     |     |       |
|  | 2605            | SX    | 145   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 90   |       |     |     |       |
|  | GUTWEIN         | SX    | 145   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 90   |       |     |     |       |
| LAND O' LAKES<br>644<br>LX4315<br>EK PREMIUM<br>EK7780<br>3100<br>NC-<br>FEDERAL<br>4505<br>FX37<br>PAYMASTER<br>6347<br>AGRIPRO<br>LIP470<br>STAUFFER<br>S6210<br>FONTANELLE<br>4253<br>2600<br>PESTER<br>2600<br>DAIRYLAND<br>DX1012   | LAND O' LAKES   | SX    | 142   | 19.1 |         |          |      |      |          |      |      |       |      |      |      | 85   |      |       |     |     |       |
|  | 644             | SX    | 142   | 19.1 |         |          |      |      |          |      |      |       |      |      |      |      | 85   |       |     |     |       |
|  | LX4315          | SX    | 133   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 84   |       |     |     |       |
|  | EK PREMIUM      | SX    | 133   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 84   |       |     |     |       |
|  | EK7780          | SX    | 159   | 164  | 19.2    | 23.7     | 21.2 | 1    | 6        | 0    | 5    | 3     | 2    | 8    | 1    | 0    | 0    | 87    |     |     |       |
|  | 3100            | SX    | 146   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 84   |       |     |     |       |
|  | NC-             | SX    | 144   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 83   |       |     |     |       |
|  | FEDERAL         | SX    | 144   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 83   |       |     |     |       |
|  | 4505            | SX    | 129   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 73   |       |     |     |       |
|  | FX37            | SX    | 129   | 19.2 |         |          |      |      |          |      |      |       |      |      |      |      | 73   |       |     |     |       |
| PAYMASTER<br>6347<br>AGRIPRO<br>LIP470<br>STAUFFER<br>S6210<br>FONTANELLE<br>4253<br>2600<br>PESTER<br>2600<br>DAIRYLAND<br>DX1012   | PAYMASTER       | SX    | 123   | 19.3 |         |          |      |      |          |      |      |       |      |      |      |      | 84   |       |     |     |       |
|  | 6347            | SX    | 123   | 19.3 |         |          |      |      |          |      |      |       |      |      |      |      |      | 84    |     |     |       |
|  | AGRIPRO         | SX    | 161   | 179  | 22.9    | 23.3     | 0    | 9    | 0        | 4    | 4    | 1     | 5    | 1    | 0    | 0    | 82   |       |     |     |       |
|  | LIP470          | SX    | 137   | 19.3 |         |          |      |      |          |      |      |       |      |      |      |      | 86   |       |     |     |       |
|  | STAUFFER        | SX    | 158   | 182  | 21.7    | 21.7     | 0    | 3    | 0        | 4    | 4    | 0     | 1    | 10   | 1    | 0    | 82   |       |     |     |       |
|  | S6210           | SX    | 134   | 19.3 |         |          |      |      |          |      |      |       |      |      |      |      | 82   |       |     |     |       |
|  | FONTANELLE      | SX    | 139   | 19.3 |         |          |      |      |          |      |      |       |      |      |      |      | 88   |       |     |     |       |
|  | 4253            | SX    | 139   | 1    |         |          |      |      |          |      |      |       |      |      |      |      |      |       |     |     |       |

TABLE 2. AVERAGE PERFORMANCE OF MEDIUM TO LATE MATURING HYBRIDS TESTED IN DISTRICT 5. WIDELY GROWN HYBRIDS (\*) ARE ENTERED IN BOTH TESTS FOR COMPARISONS BETWEEN TABLE 1 AND TABLE 2.

| BRAND          | VARIETY | CROSS | YIELD |      | BVA  | MOISTURE PCT |      |      |      | ROOT LGD PCT |      |      |      | STALK LGD PCT |    |    |    | DROP | EAR PCT | STAND PCT |
|----------------|---------|-------|-------|------|------|--------------|------|------|------|--------------|------|------|------|---------------|----|----|----|------|---------|-----------|
|                |         |       | 1984  | 1985 |      | 1986         | 1986 |      | 1984 |              | 1985 |      | 1984 |               |    |    |    |      |         |           |
|                |         |       |       |      |      |              | 1986 | 1985 | 1986 | 1985         | 1986 | 1985 | 1986 | 1985          |    |    |    |      |         |           |
| EXALB          | T1000   | SX    | 158   | 129  | 18.0 | 20.4         | 0    | 2    | 4    | 3            | 1    | 0    | 87   | 86            |    |    |    |      |         |           |
| ENKEL          | H185    | SX    | 162   | 126  | 18.4 | 21.4         | 1    | 7    | 4    | 7            | 1    | 0    | 88   | 89            |    |    |    |      |         |           |
| CCURDY         | H555    | SX    | 162   | 126  | 18.4 | 21.4         | 1    | 7    | 4    | 7            | 1    | 0    | 86   | 89            |    |    |    |      |         |           |
| CL             | 3884    | SX    | 159   | 135  | 18.6 | 18.6         | 1    | 3    | 4    | 1            | 1    | 0    | 88   | 89            |    |    |    |      |         |           |
| ROWS           | 444     | SX    | 159   | 169  | 130  | 21.2         | 23.4 | 1    | 6    | 0            | 3    | 4    | 0    | 83            | 87 | 94 |    |      |         |           |
| ROWS           | 555     | SX    | 170   | 140  | 18.7 | 21.1         | 1    | 6    | 0    | 3            | 8    | 1    | 0    | 82            | 85 |    |    |      |         |           |
| ORNELUS        | 6625X   | SX    | 157   | 179  | 146  | 19.0         | 22.6 | 24.2 | 2    | 7            | 0    | 5    | 8    | 1             | 0  | 87 | 89 | 92   |         |           |
| IONER          | 3378    | SX    | 155   | 176  | 147  | 19.0         | 21.7 | 23.4 | 4    | 23           | 1    | 5    | 5    | 4             | 0  | 0  | 84 | 89   | 90      |           |
| RT VALLEY      | 112     | SX    | 138   | 138  | 19.0 | 22.3         | 24.1 | 1    | 8    | 1            | 5    | 6    | 4    | 1             | 0  | 88 | 86 | 92   |         |           |
| ROWS           | 446     | SX    | 157   | 168  | 144  | 19.1         | 22.3 | 24.1 | 0    | 0            | 4    | 6    | 4    | 1             | 0  | 84 | 86 | 92   |         |           |
| ERRA CHEMICALS | TR1060  | SX    | 134   | 134  | 19.1 | 19.1         | 0    | 0    | 6    | 6            | 1    | 1    | 1    | 1             | 0  | 85 | 84 | 85   |         |           |
| WES BEST       | SX1115  | SX    | 155   | 155  | 19.2 | 21.4         | 0    | 0    | 0    | 0            | 0    | 0    | 0    | 0             | 0  | 84 | 85 | 85   |         |           |
| UTWEIN         | 2610    | SX    | 141   | 199  | 19.2 | 21.7         | 23.3 | 1    | 4    | 0            | 6    | 6    | 5    | 1             | 0  | 0  | 89 | 87   | 95      |           |
| UTFEELS        | W48     | SX    | 161   | 182  | 148  | 19.2         | 21.7 | 23.3 | 1    | 4            | 0    | 6    | 6    | 5             | 1  | 0  | 0  | 89   | 87      | 95        |
| ERRA CHEMICALS | 3100    | SX    | 150   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| IONER          | 3377    | SX    | 171   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| 621            | 170     | SX    | 152   | 129  | 19.2 | 22.4         | 22.4 | 1    | 4    | 5            | 3    | 4    | 1    | 0             | 88 | 82 | 83 | 87   |         |           |
| TURDY GROW     | 56596   | SX    | 149   | 186  | 149  | 19.3         | 22.4 | 25.0 | 1    | 4            | 5    | 3    | 4    | 1             | 0  | 88 | 82 | 83   | 87      |           |
| TAUFER         | 6842    | SX    | 156   | 174  | 146  | 19.3         | 22.6 | 23.7 | 1    | 5            | 2    | 0    | 0    | 0             | 87 | 85 | 87 | 93   |         |           |
| GROW/O'S GOLD  | 5X56    | SX    | 163   | 182  | 157  | 19.3         | 22.7 | 25.0 | 2    | 0            | 6    | 4    | 1    | 6             | 1  | 0  | 87 | 85   | 93      |           |
| ANKWEYE HYBRID | SX161   | SX    | 174   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| ENKEL          | H171    | SX    | 140   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| CL             | 3884    | SX    | 159   | 135  | 18.6 | 18.6         | 1    | 3    | 4    | 1            | 1    | 0    | 0    | 88            | 89 | 90 | 92 |      |         |           |
| ROWS           | 444     | SX    | 159   | 169  | 130  | 21.2         | 23.4 | 1    | 6    | 0            | 3    | 4    | 0    | 83            | 87 | 94 |    |      |         |           |
| ORNELUS        | 6625X   | SX    | 157   | 179  | 146  | 19.0         | 22.6 | 24.2 | 2    | 7            | 0    | 5    | 8    | 1             | 0  | 87 | 89 | 92   |         |           |
| IONER          | 3378    | SX    | 155   | 176  | 147  | 19.0         | 21.7 | 23.4 | 4    | 23           | 1    | 5    | 5    | 4             | 0  | 0  | 84 | 89   | 90      |           |
| 112            | 138     | SX    | 138   | 138  | 19.0 | 22.3         | 24.1 | 1    | 8    | 1            | 5    | 6    | 4    | 1             | 0  | 88 | 86 | 92   |         |           |
| ROWS           | 446     | SX    | 157   | 168  | 144  | 19.1         | 22.3 | 24.1 | 0    | 0            | 4    | 6    | 4    | 1             | 0  | 84 | 86 | 92   |         |           |
| ERRA CHEMICALS | TR1060  | SX    | 134   | 134  | 19.1 | 19.1         | 0    | 0    | 6    | 6            | 1    | 1    | 1    | 1             | 0  | 85 | 84 | 85   |         |           |
| WES BEST       | SX1115  | SX    | 155   | 155  | 19.2 | 21.4         | 0    | 0    | 0    | 0            | 0    | 0    | 0    | 0             | 0  | 84 | 85 | 85   |         |           |
| UTWEIN         | 2610    | SX    | 141   | 199  | 19.2 | 21.7         | 23.3 | 1    | 4    | 0            | 6    | 6    | 5    | 1             | 0  | 0  | 89 | 87   | 95      |           |
| UTFEELS        | W48     | SX    | 161   | 182  | 148  | 19.2         | 21.7 | 23.3 | 1    | 4            | 0    | 6    | 6    | 5             | 1  | 0  | 0  | 89   | 87      | 95        |
| ERRA CHEMICALS | 3100    | SX    | 150   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| IONER          | 3377    | SX    | 171   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| 621            | 170     | SX    | 152   | 129  | 19.2 | 22.4         | 22.4 | 1    | 4    | 5            | 3    | 4    | 1    | 0             | 88 | 82 | 83 | 87   |         |           |
| TURDY GROW     | 56596   | SX    | 149   | 186  | 149  | 19.3         | 22.4 | 25.0 | 1    | 4            | 5    | 3    | 4    | 1             | 0  | 88 | 82 | 83   | 87      |           |
| TAUFER         | 6842    | SX    | 156   | 174  | 146  | 19.3         | 22.6 | 23.7 | 1    | 5            | 2    | 0    | 0    | 0             | 87 | 85 | 87 | 93   |         |           |
| GROW/O'S GOLD  | 5X56    | SX    | 163   | 182  | 157  | 19.3         | 22.7 | 25.0 | 2    | 0            | 6    | 4    | 1    | 6             | 1  | 0  | 87 | 85   | 93      |           |
| ANKWEYE HYBRID | SX161   | SX    | 174   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| ENKEL          | H171    | SX    | 140   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| CL             | 3884    | SX    | 159   | 135  | 18.6 | 18.6         | 1    | 3    | 4    | 1            | 1    | 0    | 0    | 88            | 89 | 90 | 92 |      |         |           |
| ROWS           | 444     | SX    | 159   | 169  | 130  | 21.2         | 23.4 | 1    | 6    | 0            | 3    | 4    | 0    | 83            | 87 | 94 |    |      |         |           |
| ORNELUS        | 6625X   | SX    | 157   | 179  | 146  | 19.0         | 22.6 | 24.2 | 2    | 7            | 0    | 5    | 8    | 1             | 0  | 87 | 89 | 92   |         |           |
| IONER          | 3378    | SX    | 155   | 176  | 147  | 19.0         | 21.7 | 23.4 | 4    | 23           | 1    | 5    | 5    | 4             | 0  | 0  | 84 | 89   | 90      |           |
| 112            | 138     | SX    | 138   | 138  | 19.0 | 22.3         | 24.1 | 1    | 8    | 1            | 5    | 6    | 4    | 1             | 0  | 88 | 86 | 92   |         |           |
| ROWS           | 446     | SX    | 157   | 168  | 144  | 19.1         | 22.3 | 24.1 | 0    | 0            | 4    | 6    | 4    | 1             | 0  | 84 | 86 | 92   |         |           |
| ERRA CHEMICALS | TR1060  | SX    | 134   | 134  | 19.1 | 19.1         | 0    | 0    | 6    | 6            | 1    | 1    | 1    | 1             | 0  | 85 | 84 | 85   |         |           |
| WES BEST       | SX1115  | SX    | 155   | 155  | 19.2 | 21.4         | 0    | 0    | 0    | 0            | 0    | 0    | 0    | 0             | 0  | 84 | 85 | 85   |         |           |
| UTWEIN         | 2610    | SX    | 141   | 199  | 19.2 | 21.7         | 23.3 | 1    | 4    | 0            | 6    | 6    | 5    | 1             | 0  | 0  | 89 | 87   | 95      |           |
| UTFEELS        | W48     | SX    | 161   | 182  | 148  | 19.2         | 21.7 | 23.3 | 1    | 4            | 0    | 6    | 6    | 5             | 1  | 0  | 0  | 89   | 87      | 95        |
| ERRA CHEMICALS | 3100    | SX    | 150   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| IONER          | 3377    | SX    | 171   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| 621            | 170     | SX    | 152   | 129  | 19.2 | 22.4         | 22.4 | 1    | 4    | 5            | 3    | 4    | 1    | 0             | 88 | 82 | 83 | 87   |         |           |
| TURDY GROW     | 56596   | SX    | 149   | 186  | 149  | 19.3         | 22.4 | 25.0 | 1    | 4            | 5    | 3    | 4    | 1             | 0  | 88 | 82 | 83   | 87      |           |
| TAUFER         | 6842    | SX    | 156   | 174  | 146  | 19.3         | 22.6 | 23.7 | 1    | 5            | 2    | 0    | 0    | 0             | 87 | 85 | 87 | 93   |         |           |
| GROW/O'S GOLD  | 5X56    | SX    | 163   | 182  | 157  | 19.3         | 22.7 | 25.0 | 2    | 0            | 6    | 4    | 1    | 6             | 1  | 0  | 87 | 85   | 93      |           |
| ANKWEYE HYBRID | SX161   | SX    | 174   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| ENKEL          | H171    | SX    | 140   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| CL             | 3884    | SX    | 159   | 135  | 18.6 | 18.6         | 1    | 3    | 4    | 1            | 1    | 0    | 0    | 88            | 89 | 90 | 92 |      |         |           |
| ROWS           | 444     | SX    | 159   | 169  | 130  | 21.2         | 23.4 | 1    | 6    | 0            | 3    | 4    | 0    | 83            | 87 | 94 |    |      |         |           |
| ORNELUS        | 6625X   | SX    | 157   | 179  | 146  | 19.0         | 22.6 | 24.2 | 2    | 7            | 0    | 5    | 8    | 1             | 0  | 87 | 89 | 92   |         |           |
| IONER          | 3378    | SX    | 155   | 176  | 147  | 19.0         | 21.7 | 23.4 | 4    | 23           | 1    | 5    | 5    | 4             | 0  | 0  | 84 | 89   | 90      |           |
| 112            | 138     | SX    | 138   | 138  | 19.0 | 22.3         | 24.1 | 1    | 8    | 1            | 5    | 6    | 4    | 1             | 0  | 88 | 86 | 92   |         |           |
| ROWS           | 446     | SX    | 157   | 168  | 144  | 19.1         | 22.3 | 24.1 | 0    | 0            | 4    | 6    | 4    | 1             | 0  | 84 | 86 | 92   |         |           |
| ERRA CHEMICALS | TR1060  | SX    | 134   | 134  | 19.1 | 19.1         | 0    | 0    | 6    | 6            | 1    | 1    | 1    | 1             | 0  | 85 | 84 | 85   |         |           |
| WES BEST       | SX1115  | SX    | 155   | 155  | 19.2 | 21.4         | 0    | 0    | 0    | 0            | 0    | 0    | 0    | 0             | 0  | 84 | 85 | 85   |         |           |
| UTWEIN         | 2610    | SX    | 141   | 199  | 19.2 | 21.7         | 23.3 | 1    | 4    | 0            | 6    | 6    | 5    | 1             | 0  | 0  | 89 | 87   | 95      |           |
| UTFEELS        | W48     | SX    | 161   | 182  | 148  | 19.2         | 21.7 | 23.3 | 1    | 4            | 0    | 6    | 6    | 5             | 1  | 0  | 0  | 89   | 87      | 95        |
| ERRA CHEMICALS | 3100    | SX    | 150   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| IONER          | 3377    | SX    | 171   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| 621            | 170     | SX    | 152   | 129  | 19.2 | 22.4         | 22.4 | 1    | 4    | 5            | 3    | 4    | 1    | 0             | 88 | 82 | 83 | 87   |         |           |
| TURDY GROW     | 56596   | SX    | 149   | 186  | 149  | 19.3         | 22.4 | 25.0 | 1    | 4            | 5    | 3    | 4    | 1             | 0  | 88 | 82 | 83   | 87      |           |
| TAUFER         | 6842    | SX    | 156   | 174  | 146  | 19.3         | 22.6 | 23.7 | 1    | 5            | 2    | 0    | 0    | 0             | 87 | 85 | 87 | 93   |         |           |
| GROW/O'S GOLD  | 5X56    | SX    | 163   | 182  | 157  | 19.3         | 22.7 | 25.0 | 2    | 0            | 6    | 4    | 1    | 6             | 1  | 0  | 87 | 85   | 93      |           |
| ANKWEYE HYBRID | SX161   | SX    | 174   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| ENKEL          | H171    | SX    | 140   | 137  | 19.3 | 21.4         | 21.4 | 1    | 7    | 3            | 1    | 0    | 0    | 0             | 87 | 85 | 93 |      |         |           |
| CL             | 3884    | SX    | 159   | 135  | 18.6 | 18.6         | 1    | 3    | 4    | 1            | 1    | 0    | 0    | 88            | 89 | 90 | 92 |      |         |           |
| ROWS           | 444     | SX    | 159   | 169  | 130  | 21.2         | 23.4 | 1    | 6    | 0            | 3    | 4    | 0    | 83            | 87 | 94 |    |      |         |           |
| ORNELUS        | 6625X   | SX    | 157   | 179  | 146  | 19.0         | 22.6 | 24.2 | 2    | 7            | 0    | 5    | 8    | 1             | 0  | 87 | 89 | 92   |         |           |
| IONER          | 3378    | SX    | 155   | 176  | 147  | 19.0         | 21.7 | 23.4 | 4    | 23           | 1    | 5    | 5    | 4             | 0  | 0  | 84 | 89   | 90      |           |
| 112            | 138     | SX    | 138   | 138  | 19.0 | 22.3         | 24.1 | 1    | 8    | 1            | 5    | 6    | 4    | 1             | 0  | 88 | 86 | 92   |         |           |
| ROWS           | 446     | SX    | 157   | 168  | 144  | 19.1         | 22.3 | 24.1 | 0    | 0            | 4    | 6    | 4    | 1             | 0  | 84 | 86 | 92   |         |           |
| ERRA CHEMICALS | TR1060  | SX    | 134   | 134  | 19.1 | 19.1         | 0    | 0    | 6    | 6            | 1    | 1    | 1    | 1             | 0  | 85 | 84 | 85   |         |           |
| WES BEST       | SX1115  | SX    | 155   | 155  | 19.2 | 21.4         | 0    | 0    | 0    | 0            | 0    | 0    | 0    | 0             | 0  | 84 | 85 | 85   |         |           |
| UTWEIN         | 2610    | SX    | 141   | 199  | 19.2 | 21.7         | 23.3 | 1    | 4    | 0            | 6    | 6    | 5    | 1             | 0  | 0  | 89 | 87   | 95      |           |
| UTFEELS        | W48     | SX    | 161   | 182  | 148  | 19.2         | 21.7 | 23.3 | 1    | 4            | 0    | 6    | 6    | 5             | 1  | 0  | 0  | 89   | 87      | 95        |
| ERRA CHEMICALS | 3100    | SX    | 150   | 162  | 174  | 19.2         | 21.8 | 23.6 | 8    | 17           | 0    | 5    | 1    | 0             | 0  | 89 | 87 | 95   |         |           |
| IONER          | 3377    | SX    | 171   |      |      |              |      |      |      |              |      |      |      |               |    |    |    |      |         |           |

### VERAGE OF ALL ENTRIES

159.7 171.7 144.0 19.2 22.2 24.3 2.2 7.8 0.1 4.9 5.4 6.6 0.8 0.1 0.1 86.6 85.9 91.6

| Y = SINGLE CROSS | MSY = MODIFIED SINGLE CROSS | 3Y = 3-WAY CROSS | 4Y = 4-WAY CROSS |
|------------------|-----------------------------|------------------|------------------|
| 1                | 1                           | 1                | 1                |
| 2                | 2                           | 2                | 2                |
| 3                | 3                           | 3                | 3                |
| 4                | 4                           | 4                | 4                |
| 5                | 5                           | 5                | 5                |
| 6                | 6                           | 6                | 6                |
| 7                | 7                           | 7                | 7                |
| 8                | 8                           | 8                | 8                |
| 9                | 9                           | 9                | 9                |
| 10               | 10                          | 10               | 10               |
| 11               | 11                          | 11               | 11               |
| 12               | 12                          | 12               | 12               |
| 13               | 13                          | 13               | 13               |
| 14               | 14                          | 14               | 14               |
| 15               | 15                          | 15               | 15               |
| 16               | 16                          | 16               | 16               |
| 17               | 17                          | 17               | 17               |
| 18               | 18                          | 18               | 18               |
| 19               | 19                          | 19               | 19               |
| 20               | 20                          | 20               | 20               |
| 21               | 21                          | 21               | 21               |
| 22               | 22                          | 22               | 22               |
| 23               | 23                          | 23               | 23               |
| 24               | 24                          | 24               | 24               |
| 25               | 25                          | 25               | 25               |
| 26               | 26                          | 26               | 26               |
| 27               | 27                          | 27               | 27               |
| 28               | 28                          | 28               | 28               |
| 29               | 29                          | 29               | 29               |
| 30               | 30                          | 30               | 30               |
| 31               | 31                          | 31               | 31               |
| 32               | 32                          | 32               | 32               |
| 33               | 33                          | 33               | 33               |
| 34               | 34                          | 34               | 34               |
| 35               | 35                          | 35               | 35               |
| 36               | 36                          | 36               | 36               |
| 37               | 37                          | 37               | 37               |
| 38               | 38                          | 38               | 38               |
| 39               | 39                          | 39               | 39               |
| 40               | 40                          | 40               | 40               |
| 41               | 41                          | 41               | 41               |
| 42               | 42                          | 42               | 42               |
| 43               | 43                          | 43               | 43               |
| 44               | 44                          | 44               | 44               |
| 45               | 45                          | 45               | 45               |
| 46               | 46                          | 46               | 46               |
| 47               | 47                          | 47               | 47               |
| 48               | 48                          | 48               | 48               |
| 49               | 49                          | 49               | 49               |
| 50               | 50                          | 50               | 50               |
| 51               | 51                          | 51               | 51               |
| 52               | 52                          | 52               | 52               |
| 53               | 53                          | 53               | 53               |
| 54               | 54                          | 54               | 54               |
| 55               | 55                          | 55               | 55               |
| 56               | 56                          | 56               | 56               |
| 57               | 57                          | 57               | 57               |
| 58               | 58                          | 58               | 58               |
| 59               | 59                          | 59               | 59               |
| 60               | 60                          | 60               | 60               |
| 61               | 61                          | 61               | 61               |
| 62               | 62                          | 62               | 62               |
| 63               | 63                          | 63               | 63               |
| 64               | 64                          | 64               | 64               |
| 65               | 65                          | 65               | 65               |
| 66               | 66                          | 66               | 66               |
| 67               | 67                          | 67               | 67               |
| 68               | 68                          | 68               | 68               |
| 69               | 69                          | 69               | 69               |
| 70               | 70                          | 70               | 70               |
| 71               | 71                          | 71               | 71               |
| 72               | 72                          | 72               | 72               |
| 73               | 73                          | 73               | 73               |
| 74               | 74                          | 74               | 74               |
| 75               | 75                          | 75               | 75               |
| 76               | 76                          | 76               | 76               |
| 77               | 77                          | 77               | 77               |
| 78               | 78                          | 78               | 78               |
| 79               | 79                          | 79               | 79               |
| 80               | 80                          | 80               | 80               |
| 81               | 81                          | 81               | 81               |
| 82               | 82                          | 82               | 82               |
| 83               | 83                          | 83               | 83               |
| 84               | 84                          | 84               | 84               |
| 85               | 85                          | 85               | 85               |
| 86               | 86                          | 86               | 86               |
| 87               | 87                          | 87               | 87               |
| 88               | 88                          | 88               | 88               |
| 89               | 89                          | 89               | 89               |
| 90               | 90                          | 90               | 90               |
| 91               | 91                          | 91               | 91               |
| 92               | 92                          | 92               | 92               |
| 93               | 93                          | 93               | 93               |
| 94               | 94                          | 94               | 94               |
| 95               | 95                          | 95               | 95               |
| 96               | 96                          | 96               | 96               |
| 97               | 97                          | 97               | 97               |
| 98               | 98                          | 98               | 98               |
| 99               | 99                          | 99               | 99               |
| 100              | 100                         | 100              | 100              |

WIDELY GROWN HYBRID ENTERED BY IOWA STATE UNIVERSITY AND ENTERED IN BOTH THE EARLY TO MEDIUM MATURITY TEST AND THE MEDIUM TO LATE MATURITY TEST FOR COMPARISONS BETWEEN TESTS.



TABLE 3. AVERAGES OF 1985-86 AND 1984-86 OF VARIETIES TESTED IN DISTRICT 5  
LSD FOR YIELDS ARE 4 BUSHELS FOR 84-86 AND 5 BUSHELS FOR 85-86.

| BRAND            | VARIETY | CROSS | YIELD BU/A |       | MOISTURE PCT |       | ROOT LDG PCT |       | STALK LDG PCT |       | DROP EAR PCT |       | STAND PCT |       |
|------------------|---------|-------|------------|-------|--------------|-------|--------------|-------|---------------|-------|--------------|-------|-----------|-------|
|                  |         |       | 84-86      | 85-86 | 85-86        | 84-86 | 84-86        | 85-86 | 84-86         | 85-86 | 84-86        | 85-86 | 84-86     | 85-86 |
| PAYMASTER        | 2990    | SX    |            | 153   | 18.9         |       |              | 4     |               | 3     |              | 0     |           | 88    |
| *DEKALB          | T1000   | SX    |            | 146   | 18.9         |       |              | 2     |               | 4     |              | 0     |           | 87    |
| PRAIRIE BRAND    | SX540   | SX    | 142        | 139   | 18.9         | 19.2  |              | 3     | 4             | 2     | 0            |       | 80        | 75    |
| SAR              | SX5100  | SX    |            | 156   | 19.0         |       |              | 5     |               | 4     |              | 1     |           | 87    |
| AMES BEST        | AB107   | SX    |            | 146   | 19.0         |       |              | 2     |               | 3     |              | 0     |           | 82    |
| KALTENBERG       | KX64    | SX    |            | 158   | 19.1         |       |              | 5     |               | 4     |              | 1     |           | 89    |
| CARGILL          | 889     | SX    |            | 151   | 19.1         |       |              | 16    |               | 4     |              | 1     |           | 88    |
| FUNK             | G4326   | SX    |            | 152   | 19.1         |       |              | 2     |               | 3     |              | 1     |           | 88    |
| STAUFFER         | S5340   | SX    | 158        | 154   | 19.2         | 19.5  | 4            | 5     | 6             | 5     | 1            | 1     | 87        | 83    |
| CORNELIUS        | C445X   | SX    | 153        | 155   | 19.3         | 19.7  | 1            | 1     | 4             | 3     | 0            | 0     | 89        | 87    |
| SIEBEN           | 27XS    | SX    |            | 157   | 19.3         |       |              | 6     |               | 5     |              | 1     |           | 87    |
| SAR              | SX209   | SX    | 155        | 161   | 19.3         | 19.7  | 1            | 2     | 4             | 2     | 0            | 0     | 88        | 90    |
| FS               | 6566    | SX    | 159        | 158   | 19.3         | 19.8  | 4            | 5     | 6             | 4     | 1            | 1     | 89        | 88    |
| *PIONEER         | 3475    | SX    | 166        | 163   | 19.3         | 19.7  | 1            | 1     | 2             | 2     | 1            | 1     | 87        | 86    |
| GOLDEN HARVEST   | H2480   | SX    | 156        | 154   | 19.3         | 19.7  | 8            | 12    | 5             | 4     | 1            | 1     | 83        | 82    |
| HUGHES           | 5404    | SX    | 155        | 155   | 19.3         | 19.6  | 3            | 4     | 6             | 5     | 0            | 1     | 87        | 86    |
| JACQUES          | 7700    | SX    |            | 156   | 19.4         |       |              | 2     |               | 4     |              | 0     |           | 88    |
| LYNKS            | LX4235  | SX    | 158        | 154   | 19.4         | 20.0  | 2            | 3     | 5             | 5     | 1            | 1     | 88        | 85    |
| EK PREMIUM       | EK7740  | SX    | 145        | 146   | 19.4         | 20.0  | 1            | 2     | 4             | 4     | 0            | 0     | 80        | 84    |
| NC+              | 3440    | SX    | 152        | 152   | 19.4         | 19.6  | 1            | 1     | 5             | 3     | 0            | 0     | 88        | 89    |
| CORNELIUS        | C555X   | SX    | 156        | 150   | 19.4         | 20.0  | 2            | 3     | 7             | 5     | 1            | 1     | 88        | 85    |
| LEWIS            | X21B    | SX    |            | 158   | 19.4         |       |              | 6     |               | 6     |              | 1     |           | 86    |
| MCALLISTER       | 8304    | SX    | 159        | 155   | 19.4         | 19.9  | 5            | 5     | 7             | 4     | 1            | 1     | 86        | 84    |
| PAYCO            | SX872   | SX    | 157        | 154   | 19.5         | 20.0  | 2            | 3     | 6             | 5     | 1            | 1     | 90        | 89    |
| OTTILIE          | RO2420  | SX    | 158        | 156   | 19.5         | 19.8  | 2            | 3     | 6             | 5     | 0            | 0     | 86        | 84    |
| WILSON           | 1500B   | SX    | 154        | 151   | 19.5         | 20.0  | 2            | 3     | 6             | 6     | 0            | 0     | 87        | 87    |
| RENZE            | 6334    | SX    | 160        | 160   | 19.5         | 20.0  | 3            | 4     | 5             | 5     | 1            | 1     | 87        | 87    |
| AMERICANA        | 3010    | SX    |            | 157   | 19.6         |       |              | 1     |               | 3     |              | 0     |           | 85    |
| MCCURDY          | 5750    | SX    | 158        | 159   | 19.6         | 19.8  | 3            | 4     | 5             | 5     | 1            | 1     | 91        | 92    |
| AMERICANA        | 3045    | SX    |            | 156   | 19.6         |       |              | 3     |               | 5     |              | 1     |           | 90    |
| PRAIRIE BRAND    | SX570   | SX    | 151        | 148   | 19.7         | 20.4  | 0            | 0     | 5             | 2     | 0            | 0     | 87        | 86    |
| KRUGER           | 8107A   | SX    |            | 153   | 19.7         |       |              | 5     |               | 6     |              | 1     |           | 88    |
| PRIDE            | 6656    | SX    |            | 154   | 19.8         |       |              | 3     |               | 3     |              | 0     |           | 88    |
| *CROWS           | 444     | SX    | 151        | 148   | 19.9         | 20.7  | 2            | 3     | 3             | 3     | 0            | 1     | 86        | 84    |
| CROWS            | 555     | SX    |            | 155   | 19.9         |       |              | 4     |               | 6     |              | 0     |           | 83    |
| WYFFELS          | W38     | SX    | 157        | 159   | 19.9         | 20.3  | 2            | 4     | 2             | 2     | 0            | 0     | 91        | 90    |
| HUGHES           | 5350    | SX    |            | 150   | 19.9         |       |              | 5     |               | 2     |              | 0     |           | 86    |
| *MCCURDY         | 6555    | SX    | 149        | 147   | 20.0         | 20.4  | 2            | 3     | 6             | 4     | 0            | 1     | 88        | 87    |
| PAG              | SX269   | SX    |            | 155   | 20.1         |       |              | 7     |               | 4     |              | 0     |           | 85    |
| WYFFELS          | W43     | SX    | 162        | 162   | 20.2         | 20.6  | 2            | 2     | 3             | 3     | 0            | 0     | 87        | 86    |
| LYNKS            | LX4304  | SX    | 159        | 158   | 20.2         | 20.7  | 1            | 2     | 4             | 3     | 0            | 0     | 85        | 85    |
| MCALLISTER       | 8406    | SX    |            | 157   | 20.2         |       |              | 2     |               | 4     |              | 0     |           | 85    |
| PIONEER          | 3378    | SX    | 159        | 161   | 20.3         | 21.4  | 9            | 13    | 5             | 5     | 0            | 0     | 88        | 87    |
| HENKEL           | H171    | SX    |            | 156   | 20.3         |       |              | 2     |               | 5     |              | 1     |           | 82    |
| DAIRYLAND        | DX1013  | SX    |            | 154   | 20.4         |       |              | 3     |               | 4     |              | 0     |           | 84    |
| CROWS            | 488     | SX    | 176        | 177   | 20.5         | 21.5  | 9            | 14    | 6             | 5     | 0            | 0     | 87        | 85    |
| *AMERICANA       | 3100    | SX    | 160        | 160   | 20.5         | 21.9  | 1            | 2     | 5             | 5     | 0            | 0     | 89        | 87    |
| NC+              | 4505    | SX    |            | 158   | 20.6         |       |              | 2     |               | 4     |              | 1     |           | 85    |
| *WYFFELS         | W48     | SX    | 163        | 164   | 20.6         | 21.3  | 1            | 2     | 5             | 5     | 0            | 0     | 89        | 86    |
| KRUGER           | 8110    | SX    | 156        | 156   | 20.7         | 21.8  | 3            | 5     | 5             | 5     | 0            | 1     | 88        | 86    |
| STAUFFER         | S6210   | SX    |            | 158   | 20.7         |       |              | 2     |               | 2     |              | 1     |           | 83    |
| SAR              | SX212   | SX    | 165        | 162   | 20.7         | 21.3  | 1            | 2     | 4             | 5     | 0            | 0     | 90        | 86    |
| CYCLONE          | 6625    | SX    | 151        | 155   | 20.8         | 21.2  | 1            | 2     | 3             | 3     | 0            | 0     | 85        | 87    |
| CORNELIUS        | C62SX   | SX    | 160        | 162   | 20.8         | 21.9  | 3            | 4     | 6             | 5     | 0            | 1     | 89        | 88    |
| STURDY GROW      | 621     | SX    |            | 161   | 20.8         |       |              | 2     |               | 5     |              | 0     |           | 85    |
| MIDDLEKOOP       | M423    | SX    | 155        | 154   | 20.8         | 21.3  | 2            | 3     | 3             | 3     | 1            | 1     | 86        | 86    |
| *FS              | 675     | SX    | 160        | 160   | 20.8         | 21.4  | 2            | 3     | 6             | 4     | 0            | 0     | 90        | 88    |
| *LYNKS           | LX4315  | SX    | 156        | 160   | 20.8         | 22.2  | 1            | 2     | 5             | 4     | 0            | 0     | 86        | 85    |
| SIEBEN           | 35XS    | SX    | 159        | 161   | 20.8         | 21.3  | 2            | 3     | 3             | 3     | 0            | 1     | 89        | 87    |
| NORTHROP KING    | PX9527  | SX    | 155        | 158   | 20.8         | 22.2  | 2            | 3     | 4             | 4     | 1            | 1     | 87        | 86    |
| FUNK             | G4440   | SX    |            | 166   | 20.9         |       |              | 7     |               | 3     |              | 0     |           | 87    |
| IOWA STATE       | M116    | SX    | 173        | 173   | 20.9         | 21.7  | 9            | 13    | 9             | 5     | 0            | 0     | 85        | 83    |
| *AGRIPRO         | HP470   | SX    | 159        | 158   | 21.0         | 21.7  | 3            | 4     | 4             | 4     | 0            | 1     | 88        | 85    |
| *PIONEER         | 3377    | SX    | 178        | 182   | 21.0         | 22.4  | 8            | 12    | 9             | 8     | 0            | 0     | 89        | 88    |
| PAYCO            | SX860   | SX    | 163        | 165   | 21.0         | 21.4  | 3            | 4     | 6             | 5     | 0            | 1     | 88        | 87    |
| *ASGROW/O'S GOLD | 6882    | SX    | 162        | 163   | 21.0         | 21.6  | 2            | 3     | 6             | 4     | 0            | 0     | 88        | 86    |
| HAWKEYE HYBRID   | SX56    | SX    | 167        | 169   | 21.0         | 22.3  | 1            | 1     | 5             | 4     | 0            | 0     | 89        | 86    |
| PAG              | SX310   | SX    |            | 169   | 21.0         |       |              | 7     |               | 6     |              | 0     |           | 89    |
| STAUFFER         | S6596   | SX    |            | 168   | 21.0         |       |              | 2     |               | 4     |              | 1     |           | 90    |
| LAND O' LAKES    | 1131    | SX    |            | 163   | 21.0         |       |              | 3     |               | 3     |              | 0     |           | 88    |
| HUGHES           | 6230    | SX    | 161        | 164   | 21.0         | 21.5  | 3            | 4     | 4             | 4     | 0            | 0     | 87        | 87    |
| LEWIS            | 5650    | SX    | 170        | 171   | 21.0         | 22.3  | 2            | 2     | 6             | 5     | 0            | 1     | 89        | 86    |
| SHISSLER         | GR8-178 | SX    | 162        | 162   | 21.0         | 21.7  | 1            | 2     | 5             | 4     | 1            | 1     | 84        | 81    |
| *DEKALB          | T1100   | SX    | 156        | 160   | 21.2         | 22.4  | 1            | 2     | 5             | 4     | 1            | 1     | 86        | 86    |
| OTTILIE          | RO2460  | SX    | 161        | 160   | 21.2         | 21.8  | 3            | 4     | 6             | 4     | 0            | 1     | 89        | 89    |
| PRIDE            | 6692    | SX    | 160        | 159   | 21.3         | 21.8  | 3            | 4     | 6             | 4     | 0            | 0     | 89        | 87    |
| EK PREMIUM       | EK7796  | SX    |            | 164   | 21.3         |       |              | 4     |               | 3     |              | 1     |           | 85    |
| SIEBEN           | 43XS    | SX    | 162        | 168   | 21.3         | 22.5  | 3            | 5     | 4             | 6     | 0            | 0     | 81        | 85    |
| GOLDEN HARVEST   | H2572   | SX    |            | 166   | 21.3         |       |              | 4     |               | 5     |              | 0     |           | 88    |
| FS               | 6933    | SX    | 169        | 170   | 21.3         | 22.7  | 1            | 1     | 5             | 6     | 0            | 0     | 87        | 84    |
| CYCLONE          | 7750    | SX    |            | 167   | 21.3         |       |              | 4     |               | 4     |              | 0     |           | 87    |
| DEKALB           | DK636   | SX    |            | 171   | 21.3         |       |              | 6     |               | 5     |              | 0     |           | 89    |
| *ASGROW/O'S GOLD | RX777   | SX    | 168        | 168   | 21.3         | 22.0  | 18           | 26    | 6             | 5     | 0            | 0     | 84        | 83    |
| MIDDLEKOOP       | M451    | SX    | 173        | 174   | 21.3         | 22.2  | 2            | 3     | 5             | 4     | 0            | 0     | 90        | 90    |
| SHISSLER         | GR8-176 | SX    | 159        | 160   | 21.3         | 21.8  | 3            | 4     | 6             | 3     | 0            | 0     | 87        | 86    |
| KRUGER           | 8112    | SX    |            | 167   | 21.3         |       |              | 2     |               | 5     |              | 1     |           | 90    |
| CFS              | W4000   | SX    | 166        | 165   | 21.4         | 22.6  | 6            | 8     | 7             | 6     | 1            | 1     | 88        | 85    |
| DAIRYLAND        | DX1012  | SX    | 157        | 157   | 21.4         | 21.8  | 2            | 3     | 6             | 4     | 0            | 0     | 85        | 84    |
| WILSON           | 1700    | SX    | 169        | 173   | 21.4         | 22.2  | 3            | 4     | 4             | 4     | 0            | 0     | 88        | 87    |
| KALTENBERG       | KX74    | SX    | 165        | 169   | 21.4         | 22.6  | 2            | 2     | 6             | 7     | 1            | 1     | 88        | 88    |
| HENKEL           | H21     | SX    |            | 172   | 21.4         |       |              | 2     |               | 5     |              | 0     |           | 88    |
| SHISSLER         | GR8-186 | SX    |            | 170   | 21.4         |       |              | 4     |               | 4     |              | 1     |           | 88    |
| EK PREMIUM       | EK7780  | SX    | 152        | 148   | 21.4         | 21.4  | 2            | 3     | 5             | 4     | 0            | 1     | 88        | 86    |
| *JACQUES         | JX179   | SX    | 168        | 166   | 21.5         | 22.3  | 3            | 4     | 8             | 7     | 1            | 1     | 90        | 88    |
| PFISTER          | 2800    | SX    | 163        | 161   | 21.5         | 21.7  | 3            | 4     | 5             | 5     | 0            | 0     | 86        | 84    |
| NC+              | 5990    | SX    |            | 170   | 21.5         |       |              | 4     |               | 5     |              | 0     |           | 87    |
| AMERICANA        | 4040    | SX    |            | 171   | 21.5         |       |              | 2     |               | 7     |              | 1     |           | 89    |
| STURDY GROW      | 815     | SX    |            | 169   | 21.5         |       |              | 4     |               | 3     |              | 0     |           | 88    |
| NORTHROP KING    | PX9540  | SX    |            | 170   | 21.5         |       |              | 3     |               | 4     |              | 0     |           | 86    |
| STAUFFER         | S7751   | SX    | 163        | 164   | 21.5         | 22.8  | 2            | 2     | 5             | 5     | 0            | 1     | 90        | 89    |
| RIVERSIDE        | RS745   | SX    |            | 169   | 21.5         |       |              | 4     |               | 6     |              | 1     |           | 89    |
| RENZE            | 6412    | SX    | 168        | 171   | 21.6         | 22.7  | 2            | 2     | 4             | 4     | 0            | 0     | 87        | 86    |
| CORNELIUS        | C72SX   | SX    | 171        | 171   | 21.6         | 22.7  | 2            | 4     | 4             | 4     | 0            | 1     | 90        | 89    |
| S BRAND          | SS63    | SX    |            | 167   | 21.6         |       |              | 4     |               | 4     |              | 0     |           | 85    |
| OTTILIE          | RO2480  | SX    |            | 160   | 21.6         |       |              | 3     |               | 4     |              | 0     |           | 85    |
| WILSON           | 2100    | SX    |            | 172   | 21.6         |       |              | 2     |               | 6     |              | 1     |           | 88    |
| PAYMASTER        | 7190    | MSX   | 160        | 162   | 21.6         | 23.0  | 7            | 11    | 8             | 9     | 1            | 1     | 92        | 91    |
| FONTANELLE       | 5230    | SX    | 160        | 163   | 21.6         | 22.8  | 1            | 2     | 4             | 3     | 0            | 1     | 82        | 84    |
| TERRA CHEMICALS  | TR3300  | SX    |            | 155   | 21.6         |       |              | 4     |               | 1     |              | 0     |           | 84    |
| MCALLISTER       | 8310    | SX    | 168        | 169   | 21.7         | 22.9  | 1            | 2     | 6             | 6     | 0            | 0     | 90        | 88    |
| PRIDE            | 7705    | SX    |            | 164   | 21.7         |       |              | 4     |               | 6     |              | 1     |           | 88    |
| DAIRYLAND        | DX1015  | SX    |            | 167   | 21.7         |       |              | 2     |               | 4     |              | 1     |           | 87    |
| IOWA STATE       | 112     | SX    |            | 164   | 21.7         |       |              | 5     |               | 4     |              | 1     |           | 86    |
| MCCURDY          | 7277    | SX    |            | 168   | 21.7         |       |              | 5     |               | 5     |              | 1     |           | 87    |
| AGRIPRO          | AP510   | SX    | 172        | 170   | 21.7         | 22.4  | 2            | 3     | 5             | 4     | 0            | 0     |           |       |



Table A. Field Data

| Gardner Farm<br>Clarion loam |           |                               |                  | Ferneau Farm<br>Tama silty clay loam |                               |                  | Elijah Farm<br>Tama silty clay loam |                               |                  |
|------------------------------|-----------|-------------------------------|------------------|--------------------------------------|-------------------------------|------------------|-------------------------------------|-------------------------------|------------------|
| Fertilizer applied, lb.      | N         | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                                   | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
| Plowdown .....               | 31        | 100                           | 80               | —                                    | —                             | —                | 25                                  | 40                            | 80               |
| Preplant .....               | 110       | —                             | —                | 120                                  | —                             | —                | 130                                 | —                             | —                |
| Sidedress .....              | —         | —                             | —                | —                                    | —                             | —                | 30                                  | —                             | —                |
| Starter .....                | —         | —                             | —                | 20                                   | 60                            | 60               | —                                   | —                             | —                |
| TOTAL .....                  | 141       | 100                           | 80               | 140                                  | 60                            | 60               | 185                                 | 40                            | 80               |
| 1985 crop .....              | Soybeans  |                               |                  | Soybeans                             |                               |                  | Soybeans                            |                               |                  |
| Row width .....              | 38 inches |                               |                  | 30 inches                            |                               |                  | 30 inches                           |                               |                  |
| Planting date .....          | May 5 & 6 |                               |                  | April 24 & 25                        |                               |                  | April 29 & May 2                    |                               |                  |
| Harvest date .....           | Nov. 4-5  |                               |                  | Oct. 16-17                           |                               |                  | Oct. 29-30                          |                               |                  |

## 1986 Field Data

The District 5 test was conducted on farms operated by Don Gardner near Ogden in Boone County, Curtis Ferneau near Grinnell in Poweshiek County, and Dick Elijah near Clarence in Cedar County. The field data are presented in table A.

Subsoil moisture for the district was favorable to wet at planting time. Rainfall was slightly below to near normal for April and well above normal in June, July, and September. In May the Boone County location received below normal rainfall while the Poweshiek and Cedar County locations received well above normal rainfall. In August the Boone County location received well below normal rainfall while the other two locations received well above normal rainfall. Temperatures were well above normal in April, near to above normal in May, above normal in June, July, and September, and well below normal in August. The average district yield was 1 bushel per acre less than the mean of the five preceding years' averages.

## Other Reports

Separate reports for variety performance are available for each district shown in figure 1. These publications are available at your county extension office or from Publications Distribution. Printing and Publications Building, Iowa State University, Ames, Iowa 50011.

### The 1986 Iowa Corn Yield Test Report:

- Pm-660-1-86 District 1
- Pm-660-2-86 District 2
- Pm-660-3-86 District 3
- Pm-660-4-86 District 4
- Pm-660-5-86 District 5
- Pm-660-6-86 District 6
- Pm-660-7-86 District 7

File: Agronomy 1



### and justice for all

The Iowa Cooperative Extension Service's programs and policies are consistent with pertinent federal and state laws and regulations on non-discrimination regarding race, color, national origin, religion, sex, age, and handicap.

Cooperative Extension Service, Iowa State University of Science and Technology and the United States Department of Agriculture cooperating. Robert L. Crom, director, Ames, Iowa. Distributed in furtherance of the Acts of Congress of May 8 and June 30, 1914.

## District 5

### Designations Identifying Brands in the Yield Test

- \*AGRIPRO ..... AgriPro, Mission, KS 66201
- \*AMERICANA ..... Americana Seeds Inc., Bowen, IL 62316
- AMES BEST ..... Ames Best Hybrids, Ames, IA 50010
- \*ASGROW/O'S GOLD .. Asgrow Seed Company, Kalamazoo, MI 49001
- BOJAC ..... BoJac Hybrid Company, Mt. Pulaski, IL 62548
- CARGILL ..... Cargill Seeds, Minneapolis, MN 55440
- CFS ..... Custom Farm Seed, Moline, IL 60954
- CORNELIUS ..... Cornelius Seed Corn Co., Bellevue, IA 52031
- \*CROWS ..... Crows Hybrid Corn Co., Milford, IL 60953
- CYCLONE ..... Elm Grove Farms, Inc., Winfield, IA 52659
- DAIRYLAND ..... Dairyland Seed Co., Inc., West Bend, WI 53095
- \*DEKALB ..... Dekalb Pfizer Genetics, DeKalb, IL 60115
- EK PREMIUM ..... EK Premium, Berwick, IL 61417
- FEDERAL ..... Federal Hybrids, Marion, IA 52302
- FONTANELLE ..... Fontanelle Hybrids, Nickerson, NE 68044
- \*FS ..... Growmark, Inc., Bloomington, IL 61701
- FUNK ..... Funk Seeds International, Inc., Bloomington, IL 61701
- GOLDEN HARVEST .. ROB-SEE-CO Golden Harvest, Waterloo, NE 68069
- GUTWEIN ..... Fred Gutwein and Sons, Inc., Francesville, IN 47946
- HAWKEYE HYBRID .. Hawkeye Hybrids, Inc., Pella, IA 50219
- HENKEL ..... Henkel Seeds, Mendota, IL 61342
- HUGHES ..... Hughes Hybrids, Woodstock, IL 60098
- IOWA STATE ..... Ralph Mathis, Elkhart, IA 50073
- \*JACQUES ..... Jacques Seed Company, Prescott, WI 54021
- KALTENBERG ..... Kaltenberg Seed Farm, Waunakee, WI 53597
- KRUGER ..... Kruger Seed Company, Dike, IA 50624
- LAND O' LAKES .... LAND O' LAKES Inc., Fort Dodge, IA 50501
- LEWIS ..... Lewis Hybrids, Inc., Ursa, IL 62376
- \*LYNKS ..... Lynks Seeds, Marshalltown, IA 50158
- MARK ..... Mark Seed Co., Perry, IA 50220
- MCALLISTER ..... McAllister Seed Co., Inc., Mt. Pleasant, IA 52641
- \*MCCURDY ..... McCurdy Seed Co., Fremont, IA 52561
- MERSCHMAN ..... Merschman, Inc., West Point, IA 52656
- MIDDLEKOOP ..... Middlekoop Seed Corn Inc., Packwood, IA 52580
- NC+ ..... NC+ Hybrids, Lincoln, NE 68504
- NORTHROP KING .... Northrup King Co., Belmond, IA 50421
- OTILIE ..... Otilie R. O. Seed, Marshalltown, IA 50158
- PAG ..... PAG Seeds, Minneapolis, MN 55440
- PAYCO ..... Payco Seeds, Inc., Dassel, MN 55325
- PAYMASTER ..... Paymaster Seeds, Minneapolis, MN 55440
- PFISTER ..... Pfister Hybrid Corn Co., El Paso, IL 61738
- \*PIONEER ..... Pioneer Hi-Bred International, Inc., Johnston, IA 50131
- PRAIRIE BRAND ..... Prairie Brand Seed, Harcourt, IA 50544
- PRAIRIE STREAM .... Prairie Stream Farms, Inc., Frankfort, IN 46041
- PRIDE ..... Pride Company, Inc., Glen Haven, WI 53810
- RANDELL ..... Raymond Randell, Oskaloosa, IA 52577
- RENZE ..... Renze Hybrids, Inc., Carroll, IA 51401
- RIVERSIDE ..... Lynnville Seed Co., Lynnville, IA 50153
- S BRAND ..... Schechinger Seed Co., Harlan, IA 51537
- SAR ..... Sar Hybrids, Inc., Charles City, IA 50616
- SEEDEX ..... Seedex Inc., Noblesville, IN 46060
- SHISSLER ..... Shissler Seed Co., Elmwood, IL 61529
- SIEBEN ..... Sieben Hybrids, Inc., Geneseo, IL 61254
- STAUFFER ..... Stauffer Seeds, Inc., Springfield, IL 62704
- STURDY GROW ..... Sturdy Grow Hybrids, Inc., Arcola, IL 61910
- SUPER CROST ..... Edward J. Funk & Sons, Inc., Kentland, IN 47951
- TERRA CHEMICALS .. Terra Chemicals Int., Inc., Sioux City, IA 51101
- TRI VALLEY ..... Tri Valley Seed, Council Bluffs, IA 51501
- WILSON ..... Wilson Hybrids, Inc., Harlan, IA 51537
- \*WYFFELS ..... Wyffels Hybrids, Inc., Atkinson, IL 61235

\*Companies with one or more widely grown entries made by Iowa State University.